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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known Application Number 10/690,368 Filing Date October 21, 2003 First Named Inventor LYSINGER Art Unit 2827 Examiner Name Lam, David 03-C-041 Attorney Docket Number

Examiner Initials*	Cite No.1	Document Number   Publication Date	Name of Patentee or	Pages, Columns, Lines, Where	
		Number-Kind Code <sup>2 (F known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
ØL		<sup>US-</sup> 6,373,739 B1	04-16-2002	Lien Chuen-Der et al	
DL		<sup>US-</sup> 5,630,160 A	05-13-1997	Simpson et al.	
DL	1	<sup>US-</sup> 4,257,110 A	03-17-1981	Lamb et al.	
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		FORE	IGN PATENT DOCU	IMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Publi	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Г
			MM-DD-YYYY			٦
DL		WO 02/49038 A1	06-20-2002	Philips N.V.		
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Substitute for form 1449/PTO	Complete if Known		
Country to the term of the ter	Application Number	10/690,368	
INFORMATION DISCLOSURE	Filing Date	October 21, 2003	
STATEMENT BY APPLICANT	First Named Inventor	LYSINGER	
##	Art Unit	2827	
(Use as many sheets as necessary)	Examiner Name	Lam, David	
Sheet 1 of 1	Attorney Docket Number	03-C-041	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
QL		JALALEDDINE S M S ET AL: "Associative IC Memories with Relational Search and Nearest-Match Capabilities" IEE Journal of Solid-State Circuits, IEEE Inc. New York, US, vol. 27,	
pL		no. 6, 1 June 1992, pages 892-900, XP000306390, ISSN: 0018-9200	
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